

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: 24 VAC filament transformers: A better way
Message-ID: <199602101820.KAA20869@ix4.ix.netcom.com>

Several people have asked me about the availability of 24 VAC filament transformers. New Triad and Thordarson units can cost \$15 to \$20 each. The Shady-ol Shack's 24 VAC 1A unit will work ok at the 1.2 to 1.5 of an ARC-5 transmitter, but it will get warm. Some bell transformers will work, but what's this Volt-Amps rating, anyhow?

Here's a little trick. You know those voltage doublers that your old sweep tube rigs use in their hi B+? Well, they work great in filament circuits, too. If you have a 12 VAC 3 amp transformer, it will provide 24 VDC @ 1.5 amps with a doubler. Any ham handbook will have the circuit. Shady'ol Shack has 50 VDC 3-6 amp diodes and the filter caps right off the shelf. This is how I use my Drake AC-4 supply to power Command transmitters for testing.

73 DE Dave Stinson AB5S/7
please note new internet address:
arc5@ix.netcom.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: 390 (x) jobbers
Message-ID: <Pine.OSF.3.90.960209180504.12895A-100000@govonca2.gov.on.ca>

Sorry - I did archive the stuff recently but must have hit D instead of S on this item. There is a list 'out there' somewhere, submissions of 390x models owned by list members, with serial numbers and manufacturers. Can someone remind me where it is? Thanks. I KNOW I should go the WWW page archives and wade through, but the volume, the volume. Next time make me.

As well, if anyone would like to send me their opinions of the various jobbers, based on radios they have or have used/seen/fixed / got real scared of!! I would like to know. I suppose I will start to look now that hamfest season is coming up and the roads are clearing as Spring gets nearer. I did see a number of mail items re. 390 and 390A as I was looking for the aforementioned list (see above), and a number of contractors were mentioned, so if I can be filled in, that helps me when I call out or see about any of interest that I find available for purchase. Remember: in Canada I get to pay a 7% tax, as well as a markup on UPS

shipping, so anything that came to me really has to be a known quantity and quality. If I know, I might pickup something when visiting relatives or on a trip, but to divert or go, I have to know. Radio poet.

Also, Miltronix interests me - sounds like a bit of a 'guarantee' over what FAIR might deliver or offer for pickup, though I realize of course that I would pay for the fixup and labour that I normally would expend myself. I do have a helping 'elmer' up here who has some experience, so I can ask for advice, but hardly can expect him to do too much troubleshooting and so on. So a basic working receiver helps me to understand, maybe, better and be prepared to tackle an 'unknown'.

Once again, thanks.

Brien
Toronto

pepperb@gov.on.ca

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: List Admin/Owner BoatAnchor Mail List <listtown@jackatak.theporch.com>
Subject: ADMINISTRIVIA: *NO* ARRL BULLETINS ON BA!!
Message-ID: <9602101046.aa17446@jackatak.theporch.com>

Gang-

The "Welcome" message is very clear:

[...]

**** Special Note:

Even though we all prefer that there be few or no "rules" we have to have two:

Because, in the past, we have encountered problems with ARRL Bulletins being posted to the Boatanchors List. We must ask that you never post an ARRL Bulletin here, even if the subject matter is primo Boatanchors. Just do NOT do it.

[...]

PLEASE do NOT make me the bad guy... I will have to take special measures to deal with anyone who violates this rule, and I would really rather that everyone just read this post, store it in the back of your heads, and NEVER make it necessary to post it again!

Thanks...

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com ---- firebot1@jackatak.theporch.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: All this talk about Micas
Message-ID: <UPMAIL03.199602110011180756@msn.com>

For inputting my .02 worth, I restored a 1933 Majestic about 10 years ago and did not have to replace any of the caps in it. It is mainly a furniture piece for my wife, but the dang thing keeps on trucking. All Caps Original. So whats the life expectancy of micas and for that matter oil fill electro's my guess is that if they are kept in a stable environment they can last beyond our lifetime, I may be wrong as one of them will crap out tomorrow.
Al Fritsche
fritsche@msn.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: David Stinson <72227.1640@compuserve.com>
Subject: Re: B-29 Radio Set-up
Message-ID: <960210170542_72227.1640_EHM75-1@CompuServe.COM>

Lee Blaske asked about the radio set-up in the B-29 Bomber. Here, with a bow to the memory of the poor old Kee Bird, is the skinny:

The B-29 radio shack was on the right side of the plane, just to the rear of the first pressurized compartment. The radio op sat at a table approx. two foot deep by three-and-a-half wide. There was a small drawer in the front of the table. On the right hand wall was the radio compass control box (ARN-6? Anyone else know?), interphone control box, oxygen regulator, desk lamp, circuit breaker panels and a nest of wiring.

Command Set Radios

About two feet above the table was a wide shelf, containing the Command Set transmitters and receivers used by the pilots for talking with other aircraft. On the right was a three receiver SCR-274-N rack, usually containing BC-453, 454 and 454 receivers. These were cabled and splined to the pilot's compartment. A spare DM-32 receiver dyno was stored on their right.

On the left of this shelf were two Command transmitters, commonly a BC-457, -458, -459 or -696. The BC-442 antenna switch was mounted on a small protruding panel above the right-hand transmitter. The BC-456 modulator was mounted, it's connectors facing outwards, on a second shelf about eight inches above the Command receivers. A spare DM-33 transmitter dynamotor was stored behind it.

Liason Set

The liason set was used to communicate with headquarters, other formations or units such as ships, ground pounders and behind-the-lines infiltrators. On the left hand rear of the radio op's table sat a BC-348 receiver, with a J-37 key mounted to it's right.

The transmitter was mounted on a stand on the floor off the table to the left and against forward bulkhead. In early Superfortresses, and whenever they couldn't get modern gear, the transmitter was the BC-375. The PE-73 dynamotor sat on the floor in front of the stand. Spare tuning units were stored under the table.

In later 29s the ART-13 mounted there, it's top flush with the table. The DY-17 dynamotor also mounted on the floor in front of the transmitter stand. Under the transmitter stand were mounted two dynamotor supplies, who's function I do not know.

Mounted above the ART-13 and also above the BC-348 are two tuning boxes obviously associated with the ART-13, but I do not yet know their nomenclature or function. I don't think they are LF tuning units, since the ART-13 in my photographs doesn't have the LF oscillator installed. I'm betting someone here knows.

You will find an excellent photo of the B-29 radio shack on page 18 of "Superfortress, The Boeing B-29" by Steve Birdsall, published by Squadron/Signal Publications (c) 1980 and available through specialty hobby shops that deal in military aircraft models. Interestingly, you'll see a black wrinkle remote tuning drawer plugged into a bare aluminum BC-453 and aluminum transmitters in a black rack. Whatever works!

73 DE Dave Stinson AB5S/7
arc5@netcom.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: BA parts store
Message-ID: <199602101251.EAA23755@ix3.ix.netcom.com>

Last night while watching the movie "Robin and the Seven Hoods" on TNT, I noticed that at one of the gatherings they were in front of a store called "Downtown Radio Supply". What caught my attention was the words "parts for the amateur, tubes ----". Something like that anyway. Didn't see any radios though. I doubt this place ever existed under that name. The movie was about 20's era hoods in Chicago in a spoofie way.

Larry

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: montaw@inforamp.net
Subject: BA policy on postings
Message-ID: <9602102317.AA0027@ts32-03.tor.InfoRamp.Net>

I need some guidance on what is acceptable practice here. I'm having a ball and before I breach protocol and tic someone off, I need to know

Where does a 'boatanchor' stop? Now I *know* an ART-13, BC348, and an RT/70 is a boatanchor. But what is the high water mark? Is a KWM380, TR7 or an HR0500 a boatanchor? Is it non-Japanese? Must it have glassFETs?

Specifically, can I talk Ten Tec and late model Drake without getting a foul?

Wayne

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: BA policy on postings
Message-ID: <9602101749.aa21184@jackatak.theporch.com>

Wayne (and the "silent majority" ;^)-

> I need some guidance on what is acceptable practice here.
We all do... although I really don't like to be the one with the

chilled bucket of water...

> Where does a 'boatanchor' stop?

[...some interesting candidates deleted...]

Herein lies the rub. The guidelines of the "Welcome" message (you read that, right? ;^) are quite broad, and yet also VERY clear about what is and is not considered "on-topic"...

Clearly, the recent ruminations about the name "Lucent" is so far off into the weeds that one really must wonder how it got started, and more to the point, where it dawned upon folks to continue the thread.

It is WAY off-topic, so PLEASE let it go!

Now, the recent "sittings" of the Army xmitter on 1670 come to mind. There has been considerable interest, probably because of the equipment in use to *HEAR* the sigs from Fort Meade, and CERTAINLY not fore the equipment in the transmitter -- the Harris transmitter is NOT a firebottle rig, and the reception reports and the like really belong in a different venue, and NOT on Boatanchors... Another thread you may carry on PRIVATELY if you desire, but please NOT on the BA list... it is again, WAY off-topic, about solid-state rigs and SWL reports, and I would have thought ya'll had more to do than keep the thread going in spite of better judgement...

Which brings us to the real crux of the matter. NO ONE should jump to the conclusion that the topics here are solely screened for my own personal preference as one person so rashly has assumed. Not so. In fact, if the truth were known, I have ABSOLUTELY no interest, because I don't own one and don't know enough about them, in O-scopes. However, those threads have been some of the BEST for education, and I thank Stan and Hank for the education I have received from those threads... they benefit the list and they are germane and they belong...

So, where do we draw the line?

I have purposely NOT made a long list of rules, and do's and dont's for the list. *You* as posters have to take the responsibility for keeping your posts and questions ON topic... if the question/comment is about a huge sand-filled radio, it probably would do you well to sit back and think a bit *before* you post... if the post is about the old days of radio and has something to do with the restoration and use of these old rigs, or is about building an archive of pictures of rigs or sound files, even though a strict interpretation might consider it off-base, I'd like to encourage the information exchange, and help distribute some of the gems we have stewardship over before they are lost forever.

> But what is the high water mark? Is a KWM380, TR7 or an HR0500 a
> boatanchor? Is it non-Japanese? Must it have glassFETs?
On the basis of vintage, the KWM380 and TR7 are out of bounds... too
recent, and even though their heritage is firebottle, they really have
nothing in common with a tube rig, save the name... Not so the HR0-500
or the late Hammarlund sand-rig which are both every bit the
boatanchor, just using (then) state of the art componentry... those
are on-topic, though not many examples have surfaced here...

As for Japanese rigs... I have been taken to task by more than one
person whom I have asked to throttle back a bit on radios from Japan.
Personally, I have nothing against them, and use them for mobiling.

However, the list was started and chartered to discuss American-made
tube radios, and our roots are there, even though the list has
expanded considerably.

So, exercise judgement. Remember this list is read on EVERY continent,
and in several countries that do not give a flip about the FCC or
local conditions... REMEMBER, you post will be delivered to 900 people
all over the globe, so you have an obligation to keep your posts
relevant, and edit out the excess included text, and make sure it is
polite... to the older standards, not the standard of today's streets!

> Specifically, can I talk Ten Tec and late model Drake
> without getting a foul?
Probably not. Both a fine examples of engineering, but they harken from
a different time, and there are other forums where those discussions
would be more appropriate.

The bottom line: you are responsible for what you post. You are
expected to think first and type later, and to try your best to keep
the primary thrust of what you post related to the chartered topic: the
old tube rigs, and the life and times of those who used them.

When in doubt... don't send it to the list...

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996

From: Jeffrey Herman <jherman@hawaii.edu>

Subject: Re: BA policy on postings

Message-ID: <Pine.SV4.3.91.960210150957.16174A-100000@uhunix5>

..army transmitter on 1670 kHz...

I think I might know why posts concerning the MF and LF regions become long-running threads on BA. Something about that portion of the spectrum fires up our imaginations and put us in the mood of days gone by - days when spark was the order of the day, when transmitters were just as mechanical as electrical, when antennas ran the length of football fields.

We yearn for stories of maritime communications on 600M, for Bobbi's and others' adventures at their broadcast transmitter sites (recall the thread titled "broadcast blowups"?), for folks experimenting on the "Lowfer" band of 160-190 kc and the whistlers they hear...

I've subscribed to the TopBand list and thoroughly enjoy reading the DX reports that I thought could *never* occur on 160M. I'd be bored to death reading such reports taking place on 80, but there's something mystical about the MF/LF region that creates a sense of wonderment in us.

So please be a bit forgiving with regard to threads discussing some area of operation that occurs below 2 Mc.

73 from Hawaii (I'm DX!),
Jeff NH6IL

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: GaryReed <deer119@alllinux1.alliance.net>
Subject: BC-348-R Burning Resistors (NOT)
Message-ID: <m0tlCUP-000pjXC@alllinux1.alliance.net>

I'm happy :) to say that my "R" is alive and well ! The sounds of WWV filled my headset at 3:00am yesterday morning and I work days!!! I used a 6X5 and a 35k bleeder(full wave). This resulted in 270 vdc @ 60ma. I measured the voltage drop across the two "cooked" resistors. The one in the AF stage was ok but the one in the IF circuit started to get hot. The only mod to the set was installation of a RF pot. The AF pot did not work and I had to use the RF to adjust the volume. I decided to find out what was wrong with the AF circuit and found that the center tap of the RF pot was grounded against the tuning stop disk (the one with the notch in it). Moving the tap resulted in the AF pot working and the IF resistor was now OK. It seems the RF pot (with the grounded center tap) would provide a path to ground for the IF resistor, depending on the position of the RF pot. All of the caps seem to be in good shape. Thanks for the help and suggestions. I recovered my Tek 422 from the bottom of the closet and dusted off the Hickok sweep generator

and will give it an alignment. Any tips or suggestions? 73's Gary WBOFU

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: BC-455 BFO Coil
Message-ID: <199602102331.PAA27162@ix6.ix.netcom.com>

Will the person needing the BC-455 BFO coil please
respond to my new email address? Can't find your
letter. Have coil boxed-up
Thanks,
Dave Stinson AB5S/7
arc5@ix.netcom.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: DUBY TODD <dube2@mci.newscorp.com>
Subject: Bird 4431
Message-ID: <199602100404.XAA00587@kafka.delphi.com>

I have a Bird 4431 with 1KW and 100W slugs (both are HF slugs). I'm
thinking of trading it in an upcoming hamfest, but would like to know about
what dollar value it should go for so I can make an intelligent trade. It's
pristine; looks and works as if it just came off the factory floor.

73,

Dube Todd AB5AP dube2@mci.newscorp.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: Dave Hockaday <wb4iuy@nando.net>
Subject: Boatanchors page...
Message-ID: <9602101703.AA09712@merlin.nando.net>

I've been working on a Boatanchors link list on my club homepage. The adress
is: <http://www.geocities.com/TheTropics/3341/vin.html>.

Check it out, and please Email me with any other links that you might know of.

Thanks!

73 de Dave Hockaday WB4IU
wb4iuy@nando.net

My homepage <http://www.geocities.com/TheTropics/3489/>
TEARA Club homepage <http://www.geocities.com/TheTropics/3341/>
FCARC Club homepage <http://www.geocities.com/TheTropics/3212/>

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: SCOTTPAUL@aol.com
Subject: Cap failure vs applied volts
Message-ID: <960209212845_140394757@mail04.mail.aol.com>

It is my observation that caps with more voltage across them will have more leakage after a few decades than those with little voltage applied. Could metal migration be the reason?

/scott

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: SCOTTPAUL@aol.com
Subject: Capacitor and other component replacement
Message-ID: <960209212403_140391608@emout06.mail.aol.com>

I don't work on a lot of boatanchors, but I do work on a lot of 1930-1965 tube radios. It is my experience that no paper dielectric capacitor I find will still pass my test, which is:

Using a Heath V-7A VTVM, (I think many VTVMs are similar), measure the resistance of the cap on the highest ($\times 1\text{Meg}$) ohms range. If any conductivity shows, replace it. To speed charging of the larger ones, switch to $\times 100\text{K}$ for a moment. You will find that some of them are not only leaky, they are batteries!

By doing this, I get radios that have the reliability they had new or better instead of something that has to be repaired for yet another flaky cap every few months. It is true that cathode bypasses and other caps in low impedance, low voltage circuits could be left; that's a matter of taste.

I do have a National-built RAO-4 (I'm at work, but I think that's the name) and its capacitors were all leaky.

It is certainly worth checking the values of all resistors as you go through a set, because many of them will have aged up, particularly the 1 Meg and up values. I generally don't replace them unless they are more than 20-25% up or in a critical spot.

In fact, the classic molded carbons I have as NOS spares are aging up, too.

I presume the mechanism is oxygen stealing carbon atoms from the carbon/binder mix inside, and the effect is worse at high resistances because there's less carbon to start with. I invite comment on this matter particularly as this is only reasoned conjecture at this point.

Filter caps are another story; sometimes they are fine, even in a 1930s set. Look and see...

One other point: if your set doesn't have a line fuse, install one! You can hide it under the chassis if you prefer not to have visible mods. This is particularly vital in sets with 6X5, 5W4, or 5V4 rectifiers as plate-to-cathode shorts are not unheard of, and with 6X5s, heater to cathode shorts are also known to happen. Replacing power transformers and making things still look original is a big drag...

For what it's worth, that's how I revive these wonderful beasts.

/scott robinson
scottpaul@aol.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: jmilller@teleteam.com (Jay H. Miller)
Subject: Collins Mechanical Filters/Trade
Message-ID: <v01510100ad42837441b0@[205.198.110.18]>

I have the following Collins mechanical filters excess to my needs:

F-455-N-80 455 kc IF, bulkhead mount, 8 kc bandpass cond. used
F-250-A-85 250 kc IF, 3.4"x .93"x 1" stud mount, 8.5 kc bandpass cond. new

I would like to trade for
F-455-C-31
or
F-455-B-31

Respond via private e-mail. Thanks.
73 de Jay

Jay H. Miller, KK5IM Dallas, Texas
The Pocket Guide to Collins Amateur Radio Equipment
jmilller@teleteam.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: n5off@w5ddl.aara.org
Subject: Cosmos PTO Proceedure Anyone?
Message-ID: <295567@w5ddl.aara.org>

Is there a special procedure (no double ee's this time) for endpoint adjustment of Cosmos PTO's. I have one to do, but have only before done the Collins variety.

I don't usually mess with linearity adjustments, just endpoint. Is it a big deal on Cosmos or is it similar to Collins?
Thanks,

Tom

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: kj7f@micron.net (Terry Dobler)
Subject: CW Key Info needed
Message-ID: <m0tlGpM-000QWUC@mis01.micron.net>

Gentlemen,

I have a CW key that I inhereted from my uncle many years ago and I would like to find out more about it. Kinda a "Roots" type thing I guess. It looks about like a J-38? The base is brass and the lever arm appears to have been nickle plated. The only thing on the top of the key is "Manahattan Electric Supply Co., New York". on the bottom the numbers "108" and "8" are stamped on the base.

Any ideas or ideas of where I could look to find more info would be appreciated.

Cheers, Terry KJ7F

kj7f@micron.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: Neal McEwen <nmcewen@metronet.com>
Subject: Re: CW Key Info needed
Message-ID: <311CE473.425F@metronet.com>

Terry Dobler wrote:

> I have a CW key that I inhereted from my uncle many years
> ago and I would like to find out more about it. Kinda a
> "Roots" type thing I guess. It looks about like a J-38?
> The base is brass and the lever arm appears to have been nickle?
> plated. The only thing on the top of the key is "Manahattan
> Electric Supply Co., New York". on the bottom the numbers
> "108" and "8" are stamped on the base.

MESCo. was a retailer, not a manufacturer. They took keys made by J.H.Bunnell and others and sold them to the hot telegraph market. MESCo. sold a general line of telegraph instruments from 1880 to the early part of this century. It is hard to tell without looking, but I think your key is probably a Bunnell Triumph, dating from the 1880s to when MESCo. ceased to be. It is a common mistake to call all oval based straight keys a J-38. The J-38 was just one key made for the Army. The key you have is not a J-38. If you would send me a photograph, I could better help you ID it.

--

73 de K5RW - Neal McEwen - Richardson, TX (Dallas)
***** I collect old telgraph and wireless telegraph keys *****
HomeNet - nmcewen@metronet.com - OS/2 tcp/ip SLIP
HomePage - <http://fohnix.metronet.com/~nmcewen/k5rw.html>

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: montaw@inforamp.net
Subject: Drake accessories wanted
Message-ID: <9602100446.AA0037@ts21-04.tor.InfoRamp.Net>

Anyone with the following for sale please let me know:

FL6000 - R4C
SL6000 - TR7
NB7 - TR7

Thanks,
Wayne, VE3EFJ
montaw@tdbank.ca

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: montaw@inforamp.net
Subject: DRAKEMOD.TXT
Message-ID: <9602100443.AA0036@ts21-04.tor.InfoRamp.Net>

There are 3 versions of this file, the latest being
DRAKEMD3.ZIP which I uploaded to Compuserve on 02 Feb. I'd
really like to know if anyone has made use of this data or
has any comments - both good and bad.

Thanks
Wayne, VE3EFJ
montaw@tdbank.ca

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: KB9VU@aol.com
Subject: Re: DRAKEMOD.TXT
Message-ID: <960210124957_140740101@emout05.mail.aol.com>

On 96-02-09, Wayne writes:

>There are 3 versions of this file, the latest being
>DRAKEMD3.ZIP which I uploaded to Compuserve on 02 Feb. I'd
>*really* like to know if anyone has made use of this data or
>has any comments - both good and bad.

>Thanks
>Wayne, VE3EFJ
>montaw@tdbank.ca

Hi Wayne - I've found the articles to be well done, very helpful AND I've
used at least two of the simpler mods on my C line. They worked as
indicated! Thanks for the effort. I appreciate it very much and I'm sure
other Drake users do also!

73

Mike, KB9VU

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: wb6zwc@ns.net
Subject: Fair Radio
Message-ID: <2.2.16.19960210110954.08d71f2c@ns.net>

Maybe we need to bring Fair Radio into the 20th century.

Let's get them a computer.

Maybe somebody can do some trading(Radios for computers)

Let's get them on the net; at least an E-mail address.

Richard wb6zwc@ns.net
Still looking for Bleeder
Resistors 7.5 K @ 160 Watts

& 575A's

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996

From: w0ogh@ix.netcom.com (Larry Godek)

Subject: FRC-93 manuals

Message-ID: <199602101401.GAA10420@ix13.ix.netcom.com>

I guess I got lucky. One day last year while visiting a neighboring community with a mil installation, I found a gentleman selling about a dozen of the FRC 93 manuals. They all use heavy paper stock inside and almost a cardboard (lightweight) cover. They are definately not locally reproduced items. The ones I have are as follows.

TM 11-5820-554-34-2, Control, Radio Set C-6118/FRC-93 and
C-7515/FRC-93

TM 11-5820-554-34-6 Regulator, Voltage CN-1146/FRC-93

TM 11-5820-554-12 Operators and Organizational Maintenance Manual
Radio Set AN/FRC-93 (V)1,2,3,4,5,6,7

TM 11-5820-554-24P-1 Amplifier, Radio Frequecy AM-3979/FRC-93

The -24p-1 manual is on the 30L-1, the 34P-2 covers the 312B-4, the 34-2 appears to be the directional coupler and the 34-6 covers the Sola Electric voltage regulator.

I had also the manuals on the KWM-2 and a couple of others but sold them last year at a swap meet. (I need a gun, rope or poison for PIA relief and a sure cure for stupidity).

Hope some of this info helps someone somewhere.

Larry W00GH@ix.netcom.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996

From: Paul Christensen <PaulC@jax.se.continental.com>
Subject: FT-243 Crystals Wanted
Message-ID: <311CDBD3@se.continental.com>

I'm looking for 40 meter CW crystals in FT-243 holders. Please reply with what you have.

-Paul, N9AZ
paulc@jax.se.continental.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Hallicrafter SR-2000
Message-ID: <Pine.3.89.9602101723.A16969-0100000@unixs4.cis.pitt.edu>

Finally found an original power supply for my mint SR-2000/
Both units work well and now would like to offer them to someone who is collecting Hallicrafter equipment. On the air tests indicate that the SR-2000 is very acceptable. All the tubes are still stamped "Hallicrafters."

If you are interested, please post a message back giving your offer on this equipment.

I will take Collins equipment, of course, in trade.

Thank you,

Dave, W3BJZ

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: parker@sol.med.ge.com (Timothy Parker x7-4463)
Subject: Heathkit parts availability
Message-ID: <9602101431.AA05145@trilogy.med.ge.com>

Well,

I finally dove into my Heathkit SB400 last night to try and figure out why 80M wasn't working. It didn't take much detective work to find the plate tuning coil that was burned to a crisp. My question is where do I find something like this and are they unique in style to the Heathkits? The only identification I can find for it is #40-601 which I assume is a Heathkit part number.

Thanks

Tim Parker
parker@sol.med.ge.com KB9KIT

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: Re: Heathkit parts availability
Message-ID: <199602101745.MAA22896@borg.mindspring.com>

> I finally dove into my Heathkit SB400 last night to try and figure out
>why 80M wasn't working. It didn't take much detective work to find the
>plate tuning coil that was burned to a crisp. My question is where do
>I find something like this and are they unique in style to the Heathkits?
>The only identification I can find for it is #40-601 which I assume is a
>Heathkit part number.

>

Heath Company still will sell parts and manuals if you can give them a
correct part number.
Same with RL Drake. Drake will even refurb their equipment. There are
companies such as Alabama Radio, Charles Talbott, K3ICH, and Ed Daihnault
WA1LJY that do sometimes have parts.

Dave K4JRB Editor 1996 Amateur Radio Mail Order Catalog and Resource
Directory, ARRL Order #5242.
>

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: HRO-60 Knobs Needed
Message-ID: <Pine.3.89.9602101756.A16969-0100000@unixs4.cis.pitt.edu>

Just acquired a very nice HRO-60 for restoration and the knobs are badly
corroded. Does anyone have a set of knobs.

Thank you.

Dave, W3BJZ

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: GaryReed <deer119@alllinux1.alliance.net>
Subject: HX-50-A
Message-ID: <m0t1CYT-000pjNC@alllinux1.alliance.net>

I have a Hammarlund HX-50-A without the 160 meter option. How hard would it be to install it on my set ? Thanks Gary WB80FU

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: lakeith@wrdis01.robins.af.mil (Larry Keith)
Subject: Re: HX-50-A
Message-ID: <199602101255.GAA21861@wrdis01.robins.af.mil>

In your message of 10 Feb 1996 at 0436 EST, you write:
> I have a Hammarlund HX-50-A without the 160 meter option. How hard would it
> be to install it on my set ? Thanks Gary WB80FU
>

According to the mod instructions that came with my newly acquired HX-50, the mod consists of 5 capacitors, one RF choke, 3 coils, and a crystal..

Now to see if this mod is actually installed in mine....

73,

Larry, KQ4BY

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: Lrware@aol.com
Subject: I need a National RAO manual
Message-ID: <960210214912_141042858@mail04.mail.aol.com>

Keepers of the firebottle flame:
I need a copy of the manuals for a National RAO type receiver.
Moore's 3rd says there were eight different models,
RAO-1 -to- RA08. A National collector has told me that
they are all the same except for who built it.
National, Wells-Gardner, etc.
Anyone got one? will pay for copy + postage etc.
Thanks,
-Larry Ware
lrware@aol.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: n5off@w5ddl.aara.org
Subject: KTRH is Houston, Not KTRK
Message-ID: <295534@w5ddl.aara.org>

First, a signal report on the subject station.

I heard KTRK on the 390 quite well, 40 meter long wire in Louisiana. I told the wife (N5TVR) that I was surprised at how well it was coming in. SHE said (in very non-ham tone) "THAT IS GOOD?????" What does she know :-)

Anyway, I hate to burst Gerald's Mouseketeer memory, but it is ktrH in Houston, not ktrK. I seem to recall the RH being for Rice Hotel where my uncle was the manager, but I may be wrong on that.

Incidentally, KTRH was coming in fine as well.

Sorry Gerald . . .

Tom

prowling the new AM band, 390 style.

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: GDentHouTX@aol.com
Subject: Re: KTRK
Message-ID: <960210171830_318331857@mail02.mail.aol.com>

Larry et al:

I, too, have be puzzled by this "KTRK" thread...as these call letters are assigned...to the current (and long time) ABC affiliate here in Houston. How long time? Let's just say that the reason I remember the call letters so well is that the host of the afternoon kid's program that was designed to be a home-brew version of the Mouseketeer's was this fine-featured YL dressed up in a cat-suit (complete with the whiskers, ears and tail) who went by the handle of KiTiRiK. (Sorry Jack, had to take it back in time aways to keep the BA reference in ;-).
73, Gerald

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Labeling of Boats,etc.
Message-ID: <UPMAIL03.199602110011200539@msn.com>

Just, FYI, I have found that the "KINKO MT" font in windoze 95 is the closes thing to the original Hallicrafters Label.
If you have a cheap HP color printer, you can print on a transperancy and get a pretty good likeness to the original, cut out and somehow glue to the front and then spray over with clear acrylic. It anint the best in the world but it's better then nothing. BTW, ive got the lettering on a transperancy but have

not done the actual attachment to the cabinet myself.
I will tomorrow and let anyone interested in the results.

Al Fritsche
fritsche@msn.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: Michael Crestohl <mc@shore.net>
Subject: Re: Let;s put together a collection of tapes of the Old Buzzards!!!
Message-ID: <199602101718.MAA00572@northshore.shore.net>

Hello John (and everyone)!

John Brewer wrote:
>Would lov'r from the old timers. I shoulda taped some of Les
(K6HQI) while I had the opportunity....

Yes - that's just it. We shoulda taped them but didn't because we thought
we coulda any time we wanted to.

Well, let's all look through our archives and see what we have. I don't
know much about digitizing audio - how big would a one-minute file be?

Let's DO it!

73,

Michael

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Lucent unplugged
Message-ID: <m0t1N1s-000Tw0C@spider.lloyd.com>

I don't see the connection between Lucent and boatanchors.

Further discussion of the company ought to be done off line.

73,

Jim - km6nk

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>

Subject: re: Lucent....?

Message-ID: <Pine.SUN.3.91.960210101416.22013A-100000@indy4>

Richard reminds me that a 1A2 is, in fact, a key system and not a PBX. >blush< I should've known; still have one at the transmitter, along with a pile of my own notes for color-codes, etc.

At least as late as 1990, 1A2s were still popular for BC radio talk-show phone systems--they're easy to interface one's own fancy line-select switching to, and provide actual, real tip and ring.

What's it got to do with Boatanchors? 1A2s and associated six- and ten-button phones still show up at hamfests (though they're getting scarce), and are just the thing for a BAer with several phone lines. They're the right era tech (well, the older gear might fit better with a 1A1...) and with a bit of hunting, the phones can be selected for the proper "look" in your hamshack. Be a nice start for a serious phone-patch setup, too! :)

73,

--Bobbi

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996

From: Bill Meara <w.meara@server1.codetel.net.do>

Subject: Mayberry BAs?

Message-ID: <9602101231.AA24723@server1.codetel.net.do>

This issue might have been discussed earlier, but I can't remember for sure and given its great importance for all members of the BA fraternity, I feel compelled to bring it up again.

Yesterday I was in the Embassy channel surfing. Actually I was keeping an eye on local and international coverage of the air disaster we had here last week. Gruesome stuff, but I got a bit of a BA respite: I happened upon the Andy Griffith show. Andy was once again at his desk, counseling poor Barney. Behind Barney was the Sheriff's office radio gear. I'm not sure, but the microphone looked like an Astatic 10DA-L and it was plugged into a rig that looked like an EICO 720-K (I realize this was a CW only rig).

I understand Andy was a ham.

Have these rigs been identified? If not, why not? Enquiring minds want to know!

73 de Bill N2CQR/HI8
w.meara@codetel.net.do

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: KA9EGW@aol.com
Subject: Re: Mayberry BAs?
Message-ID: <960210075244_218702439@emout09.mail.aol.com>

Remembering watching Andy Griffith and noticing that Eico as I had a '720 once upon a time too...there was another episode where Jamie Farr played a gypsy who scammed Barney by selling him a gutted SX-something or another (one of the slide-rule-dial, general-coverage models).

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: BHall88620@aol.com
Subject: Mica caps...
Message-ID: <960210151724_318241124@emout05.mail.aol.com>

Hello everyone...

Didn't think my mica cap inquiry would spark all the discussion that it did. Thanks to all who wrote and/or responded to the list. Here is what I gained:

- 1) Micas are usually more reliable than other types of capacitors, but they do fail occasionally, usually by shorting out or becoming resistors.
- 2) As far as replacing them, most people leave them in until they get proven guilty, and then swap them with ceramics.
- 3) New micas should replace the old micas just fine.
- 4) Wax-papers were sometimes housed in mica-looking packages, especially high pF values. Several people posted responses on how to identify these "under-cover" papers, but the method didn't positively identify the "micas" in my SX-24 as either, especially the 2000pF one.

So, here is what I am going to do. The easily accessible micas will stay, after passing the ohmmeter test. If they fail, they get replaced. (just got new ones from Mouser yesterday, talk about fast service!) Ones buried in the RF deck will be replaced, because removal of the RF deck appears to be fairly involved. (have not done it yet) I think this is the best balance between both ends of opinion. If I trace any problems to the micas I left in, well, I have spares waiting to jump in.

Thanks again for the advice.

73,
Ben

BHall88620@aol.com
alternate: BHall@GP802.JSC.NASA.gov

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: "Lowe Technical Services, USA" <loweusa@exis.net>
Subject: Need 4CX250's
Message-ID: <199602092314.SAA15800@marlin.exis.net>

Glo-bugs:

I am looking for a pair of 4CX250's for my KWS-1. Being picky here, I'd like a pair of new AMPEREX' if anyone has an unused pair laying around.

Drop me an E-Mail please.

Lowe Technical Services, USA

E-Mail: loweusa@exis.net
Home Page: <http://www.exis.net/lowe/zts1.htm>

-----x Reply Separator x-----

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: Les Blades <lblades@sover.net>
Subject: Neutralization HELP
Message-ID: <199602110245.VAA15817@maple.sover.net>

I own a Drake T-4XB transmitter that I put new finals (6JB6's) into about a year ago. Ever since then I have not been successful in adequately neutralizing the finals as described in the manual and am therefore posting a message for help.

First a little history... The radio works fine, despite the neutralization problem - however I am concerned about the stress on the finals. I find also that I cannot get a plate dip at all on 10 or 15 meters. On 20 there is a dip, but you almost have to use your imagination. 40 and 80 seem fine. So I have confined myself mainly to the lower hf bands.

The manual is specific, but lacks details regarding what to do should the procedure not work as expected. I suspect the finals that I replaced were not matched and that is probably what is causing me my troubles. I have found it difficult (here in Vermont) to find 6JB6 tubes that are matched. I am also not sure what "matched" really means in terms of neutralization.

Anyway - does anyone have any hints or suggestions for neutralizing my transmitter? I believe I have one other (supposedly good) 6JB6 tube that I

could swap with an existing tube, but have not done this yet. Any adjustments I have made have been very delicate and touchy to the point where it is difficult to see much improvement when I adjust the neutralization cap.

Tnx in advance for any suggestions.

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: New Internet Address; Catch-up Day
Message-ID: <199602101828.KAA13173@ix10.ix.netcom.com>

I am finally forced to bite the bullet and change my internet address. Compuserve charges per message and it's just getting too darn expensive. Please note my new internet address:

arc5@ix.netcom.com

(of course..what else?)

Also, this is catch-up day for me. As many of my friends here know, family crisis and work chaos has me inexcuseably behind in letters and packages. The baby is due any day, but is giving Kay a break today so she can rest. The kids are taking care of themselves for a change, so daddy is going to get caught-up on all those chores. Letters and packages out today or bust. I might even get the blanket I borrowed a decade ago from Hal Waite back to him! The sky might fall!

73 DE Dave Stinson AB5S/7
ARC5@ix.netcom.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>
Subject: New issue of BA wanteds listing available
Message-ID: <9602101332.aa18692@jackatak.theporch.com>

Gang-

The latest update to the BA.wanted file is available vbia email at the BoatAnchors email archives, and via ftp...

Simply send an email to:

listproc@theporch.com

and in the body send:

get boatanchors BA.wanted

it will be returned to you via email

you might also want to request the index... type:

index boatanchors

in your message to listproc

PLEASE DO NOT MAIL THESE REQUESTS TO THE LIST ADDRESS!!!!!!!!!!!!

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

listown@jackatak.theporch.com ---- firebotl@jackatak.theporch.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996

From: David Metz <metzd@cfw.com>

Subject: NTIS/ Govt manuals

Message-ID: <9602100050.AA08449@milo.cfw.com>

Well.. curiosity got the best of me so Wednesday I sent a fax to NTIS trying to buy

TM 11 5820 529 15 (KWM2a). Try to imagine my reaction to a fax today that wouldn't shut off for a three item request. 8 pages later.... here is a condensation of that fax.

The above manual is NLA. It has been replaced by at least 20 manuals. Talk about paperwork reduction in reverse. Anyway, the KWM2A is the RT718 part of the FRC 93 "system". The key manual is now TM 11 5820 554 34 3 DIRECT SUPPORT AND GENERAL SUPPORT MAINTNEANCE MANUAL: RECEIVER TRANSMITTER, RADIO RT 718/FRC (COLLINS KWM2/2A NSN 5820 00 082 4080) (52 pages) and, as previously mentioned in posts to BA's, Restricted distribution--- ie we can't buy it!

However, the depot manual for the 30L1 is still available! (Govt wisdom). This manual is TM 11 5820 554 1 DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE FOR THE AMPLIFIER, RADIO FREQUENCY AMPLIFIER COLLINS MODEL 30L1 (NSN 5820 00 082 4081) \$17.50

Though one cannot buy the RT 718 manual, the system FRC 93 manual is available for \$27 and is 161 pages. "OPERATORS AND ORGANIZATIONAL MAINTENANCE MANUAL: RADIO SET AN/FRC 93(V)1.....V2,V3,V4,V5,V6,V7.

All other manuals are available from the power supplies (several), ant couplers, Waters rejection, etc. If one is really interested, just send the fax request to 703 487 4841 and request the price of the top mentioned manual that is NLA. YOU get the big picture after that one with all the current info.

I also requested the availability of the Navy R-1051B manual and it came back saying to call NPFC at 215 697 3217.

Finally, about two years ago I bought the TRD15 system of direction finding TM 11 5825 231 24 because it is the only source of a manual for the R725. Remembering that the 725 was the NSA R390A with the older 390 6 can IF strip, it probably hasn't been used in a few years. Imagine my suprise when that is now RESTRICTED! This TM only contains about 5 pages on anything useful on the R-725 and always refers to the 390 and 390A manuals for the good stuff. Any ideas-- maybe Saddam is trying to buy it?

I hope this didn't ramble on too long but I thought it might be interesting. Lastly, I intend on sending a letter the Secretary of the Army requesting help in obtaining this manual. I think it is a little absurd to be selling boatloads of the unit for surplus and keep the manual on restricted status. Wait about 6-12 months and I'll post an answer to that one if they ever respond. Its so much fun dealing with the government. I intend on stating something in the letter like... "before I contact my Congressman, can you forward this to the person in charge?" Thats always an attention getter to govt types.

73's dave metzd@cfw.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: flanders@GroupZ.net (Jerry Flanders)
Subject: Old Test Equipment FS
Message-ID: <199602102233.QAA12369@uro.theporch.com>

The recent threads on the BoatAnchor reflector concerning capacitor leakage and failures reminded me of a test device I picked up a few years ago. I looked around the shack and found it and a couple of other items that someone might want. I will put them up for sale here and see if anybody would like to make an offer.

=====ITEM 1:=====

TEST SET INSULATION BREAKDOWN CAPACITATIVE LEAKAGE COMPENSATION
117VAC 60 CYCLE BENDIX

It is rack-panel construction, inside a rack cabinet. Has two 4 inch meters, one to measure applied voltage (scales 750 and 2250 VAC), and another "meter relay" one to display leakage current and shut down the applied voltage when leakage reaches the trip value you have set (0 to 5 MA).

You increase voltage slowly from zero with the internal "variac", watching either it's 750 VAC or it's 2250 VAC scale. A current-limited voltage is applied at the test terminals. If/when the pre-set leakage current is reached, meter relay trips off and stops test (nondestructive). Has a "compensation" circuit to compensate for non-leakage current.

The test voltage terminals are on front panel, are the Millen "hi-voltage" type. It has the original three-wire power cord with folding ground blade. Cabinet appears to have been re-painted, and is slightly grungy, but panel of the instrument has not - it is clean, very few scratches - almost as if a newer instrument was placed in an older cabinet. The front panel would clean up to near-new appearance with soap/water. The original schematic is pasted inside the cabinet and shows dates 1959 - 1960. No separate manual.

Inside cabinet shows original, unmodified, unrepaired "military contractor" type construction. No tubes required.

I presume it was only intended to check non-polarized caps. However, I think one can easily run the output through a HV bridge rectifier and test polarized types, as well. You can start from zero volts and go to at least 2250 VAC (which is 3180 VDC peak out of the bridge), so it should be usable for many applications other than those intended. I have used it to find the PRV of some unknown HV diodes for a power supply I was building - I could have perfectly matched them, even.

=====ITEM 2:=====

DUBROW VOLTMETER ELECTRONIC ME 30 C/U
115 - 230 VAC 50 - 1000 CYCLE

An industrial quality AC Vacuum-Tube Voltmeter. Measures RMS voltage, 12 ranges: 1MV (-60 dB) to 300 V (+50 dB) from 10 Hz to 4MHz. 10 Meg input Z, 9 tubes. Has excellent manual including theory of operation, short course in using AC VTVM, full self-troubleshooting, full instructions, full schematics. Has banana jacks for input as well as output (the internal broadband amplifier can be used independent of the meter function). No test leads.

Well-worn, otherwise clean. METER APPEARS TO STICK sometimes at about 10% of FS (dust inside case?). Otherwise working fine.

Manual has complete photo illustrations, and I have copier. SASE, anyone?

=====ITEM 3:=====

Heathkit V-7A VTVM. One-owner (me). I put it together from kit back in the '50's or '60's. Has a working homebrew DC probe, needs 2 conventional leads (for Common and AC/Ohms) with banana plugs. It is grungy - would probably clean up OK with soap/water. I think I have the orig manual somewhere, but may not be able to find it, so quote for with/without the manual.

73's to all.

Jerry Flanders W4UKU South Carolina flanders@groupz.net

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: OT BA'ers
Message-ID: <199602101333.FAA28272@ix3.ix.netcom.com>

Along with W3PHL was W1EEE who I could hear out in in the mountains of southern Cal with my beat up SX-28 and window screen antenna. Often wondered what happend to them OT's. Were they around after 1969? I was in the AF till then and pretty well away from the radio scene except for an occasional trip to the Mars station when I was in North Africa. Kinda like a lost era of life in the Ozone. Although operating from 5A land did get exciting on 15m. More another time.

Larry W00GH@ix.netcom.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: lkayser@WorldLink.ca (Larry Kayser)
Subject: Pot Pourri of items
Message-ID: <9602100207.AA06688@beacon.WorldLink.ca>

Greetings:

First, I listened upband from the AM broadcast band last night with my remote HF station, TS-850 20 miles away, and heard the chaps on 1660 with rock and roll music. I waited about 10 minutes for them to give their call sign, and the guard house lawyers with scanners had a field day on the local 2 meter FM repeaters bitching about my "music" on the 443.975 Mc FM link..... I never did hear the guys on 1670, but I wandered up the band and heard several G's on CW just above 1800 with 559 signals which might tell you that the conditions were pretty good. I listened to some lads on

1885 on AM for a while, they seemed to be having a pretty good time of it.

The chap who is lookig for 7.5 K ohm 160 watt resistors should find the bleeder strip out of an AN FRT-501 transmitter. This strip has 5 pieces of 8K ohm by 160 Watts. This is a real pig of a Boat Anchor. This single cabinet monstor covers 1.8 to 18 Mc with 500 Watts of 100% AM using 4-125a's modulated by a 4-125a's. There were hundreds of these transmitters declared surplus up here about 10 years ago, I had several of them but I had to part them out as I had no where to put them. They were solid steel cabinets, non standard width, made by Canadian Marconi. I hurt my back rather badly trying to move them and that was after stipping the really heavy stuff out, like the power transformer, the choke and the plate modulation transformer which collectively these three items weighed over 200 lbs. This TX used a "repackaged" 807 in it, it had about 2/3's as high, and was straight sided, kind of like getting half way down to a 6146, I do not remember the number on it but it was very different and scarce as hens teeth. Long story but the rig is a source of good high power bleeder resistors.

At least one of the AN-FRT-501's went down to the USA, it was used by a pirate broadcaster on the east coast for a while. He must have had a big truck to haul it around.....

When it comes to Boat Anchors, I remember a guy who had the Boat Anchor of all Boat Anchors. It was W3PHL, who in 1963/5 era was running a push pull rig with about 5KW of audio on it, with little or no B+, one RF tube inverted. Fred had a few good run ins with the FCC as I remember it, I last heard of him in the Computer BBS world, does anyone know what happened to his rig? He sure used to "own" 7296 with his DSB and reduced carrier signal. Some guys were really polarized about Fred, if some one on here still has not come to terms with it, dont bother to flame at me, I am only interested in his technical achievements - which were substantial.

Comments?

Larry
va3lk / wa3zia

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: wb6zwc@ns.net
Subject: Re: Pot Pourri of items
Message-ID: <2.2.16.19960210095546.1e077d90@ns.net>

At 08:09 PM 2/9/96 -0600, you wrote:
>Greetings:
>

>
>The chap who is lookig for 7.5 K ohm 160 watt resistors should find the
>bleeder strip out of an AN FRT-501 transmitter. This strip has 5 pieces of
>8K ohm by 160 Watts. This is a real pig of a Boat Anchor. This single
>
I am currently parting out something very similiar. I found them in a junk
yard ready to be crushed. They are made by Budd Electronics about 30 years
ago. So, I am getting what I can and will most likely offer parts to the BA>..

cabinet monstor covers 1.8 to 18 Mc with 500 Watts of 100% AM using 4-125a's
>modulated by a 4-125a's. There were hundreds of these transmitters declared
>surplus up here about 10 years ago, I had several of them but I had to part
>them out as I had no where to put them. They were solid steel cabinets, non
>standard width, made by Canadian Marconi. I hurt my back rather badly
>trying to move them and that was after stipping the really heavy stuff out,
>like the power transformer, the choke and the plate modulation transformer
>which collectively these three items weighed over 200 lbs. This TX used a
>"repackaged" 807 in it, it had about 2/3's as high, and was straight sided,
>k

Yep, sounds like the things I am parting out.....4-125 and 807... I guess them
to be about 500 watts of AM..

nd of like getting half way down to a 6146, I do not remember the number
>on it but it was very different and scarce as hens teeth. Long story but
>the rig is a source of good high power bleeder resistors.
>

Have not found any of the power bleeders as yet. They have seperate power
supplies
in some cases. These are transceivers of around 30 to 60 mhz.

>At least one of the AN-FRT-501's went down to the USA, it was used by a
>pirate broadcaster on the east coast for a while. He must have had a big
>truck to haul it around.....
>

]I have not paid attention to the AN numbers but I believe a different system
is being used on these units.

>Larry
>va3lk / wa3zia
>

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: n5off@w5ddl.aara.org

Subject: R-390A Makers List, attn: Pepperdine
Message-ID: <295332@w5ddl.aara.org>

This is in reply to Pepperdine's post looking for the subject list.

Here is how to get it.

Additional contributions welcome.

73 de tom

Reply to: n5off%w5ddl.aara.org@usl.edu

To get a copy of the subject list, send an Internet message to:

listproc@theporch.com

leave the subject line blank

in the body of the message type

get boatanchors r390a.users

Thanks to all who have contributed R-390A info. We have data on about 200 rigs from 17 contracts. The lowest serial number seen was 2, and the highest in a given contract was over 6000. Contributions include those from Dittmore-Freimuth and Fowler Industries contracts, as well as an EAC Industries consumer products run.

As I mentioned in earlier posts, I am compiling a survey of R-390A's owned by people who frequent the packet and Internet boards. The object of the game is to try and ascertain how many contracts were let for manufacture, and how many were made.

If you wish to participate in the census and you own one or more R-390A's (or spy them on ships, hamfests, or just anywhere), please go take a peek at it (them) and then reply to me with this information:

- 1) maker (EAC, Motorola, etc)
- 2) order number (63-PH-54 for ex) from the front tag
- 3) serial number off of the front tag
- 4) any unusual features (tags, stamps, frequency shield, etc)

The list includes an accounting of the contributors, however, the names are not matched with the rigs. If contributors have a desire to sell their rigs, I'm sure they will speak up, so you won't get any cards or letters from making a data contribution to the list.

Thanks,

de tom n5off%w5ddl.aara.org@usl.edu Internet
n5off@k5arh.la.usa packet

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: tomrice@netcom.com (Tom R. Rice)
Subject: Radar Altimeter: Save or Scrap?
Message-ID: <199602100100.RAA16234@netcom6.netcom.com>

All this discussion (controversy, I calls it) about preserving military stuff as collectibles vs. putting it to use prompts the following offer:

I have a genuine NOS Radar Altimeter Unit, labelled as follows:

★ RT-7 / APN-1
27 Volts DC
110DB/25
NXsa-43386 3875 CDT

As memory serves, this is a UHF (~400 Mc/s) unit intended to bounce radio waves off the ground up to 300 feet below the aircraft and read out the actual altitude on a meter.

I do not have the meter or control box, both of which were intended to mount in instrument holes in front of the pilot, nor do I have the power supply. I do have the two dipole antennas needed, but they are not new.

This is a brand-new unit which was stored in the barn for many years, thus it looks pretty dirty with some mouse pee stains on the outside. The inside is pristine, with all sorts of neat RF stuff (parallel lines and acorn tubes, lotsa silver plate).

If some die-hard military collector would like to have this critter, I'd be delighted to trade it for something I can use. Otherwise, I'll save it for the day I need some acorn tube sockets or other parts. (It's a tough world out there.)

73 de WB6BYH tomrice@netcom.com
(located near the SF Bay Area
if you wanna deal in person)

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

CIS: 71160,1122

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996

From: w0ogh@ix.netcom.com (Larry Godek)

Subject: Rare cmd sets.

Message-ID: <199602101409.GAA11337@ix13.ix.netcom.com>

For those of you who doubt their existence and/or have never seen them even advertised, in the mid 1946 group of CQ mags, Communications Equipment Co. on Liberty street in NYC advertised the .5-.8, .8-1.3 and 1.3-2.1 mc transmitters for \$59.50 ea. Actually all the ARC-5 transmitters in this ad were the same price. Receivers were \$37.50. Looks like they started out pretty high. Nice picture of the RAK-7 ship receiver as well. For \$73.50 I might add.

Larry W00GH@ix.netcom.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996

From: robert fowle <hammarlund@voyager.net>

Subject: re; HX-50-A

Message-ID: <199602101526.KAA21095@vixa.voyager.net>

it is simple to see if you have the 160 M mod. from the front of your rig, look over the right side and look into the cabinet on top of the chassis you'll see the coil top's, if there are *any* holes empty, you don't have 160, *if* there are no holes empty, you have it.

Robert Fowle

the HAMMARLUND historian

Ph. 517-789-6721

E-mail: Hammarlund@vixa.voyager.net

1215 Winifred

Jackson, Mich. 49202-1946

List of Hammarlund manuals available upon request.

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996

From: jmartin@hrlban1.aircrew.asu.edu

Subject: Reactivating thoriated tungsten filaments
Message-ID: <SA39+6Ax4la@hrlban10.alhra.af.mil>

BA'ites,

I've had good success reactivating thoriated tungsten filaments in '01As and '99s. I use my TV-7 and adjust switch settings to disconnect the grid and plate. In the case of '01As I raise the filament voltage from 5.0 to 12.6 volts for 15 seconds exactly, then quickly reduce it to 7.5 volts, where I leave it for 30 minutes. I then lower the filament to the normal 5.0 volts, reconnect grid and plate, and test. I use the same times and corresponding percentage increases with '99s. Note: Before attempting to reactivate a filament, examine it's apparant color, if you can see it past the getter coating, while it is burning at normal rated voltage. Some of these tubes used a oxide (and maybe in rare cases an azide) coated filament, run at a lower temperature, and cannot be reactivated. An example would be a WD-11. Filaments that run at a brilliant yellow color probably are thoriated and can be reactivated, while those that run at a dull orange or red color probably cannot. Oxide coated cathode types (i.e., 27) cannot be reactivated using this method.

73, John Martin

jmartin@hrlban1.aircrew.asu.edu

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: Michael.J.Knudsen@att.com
Subject: Re: Reactivating thoriated tungsten filaments
Message-ID: <9602092336.AA10181@bock.ih.att.com>

Tnx very much.

Sounds like 1L6 and related family (whose filaments glow a very dull red, hardly visible) are not good candidates for renewal. Someone say it ain't so....73, mike k w9nrd/ae

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: DUBY TODD <dube2@mci.newscorp.com>
Subject: Re: Reactivating thoriated tungsten filaments
Message-ID: <199602100404.XAA04709@kafka.delphi.com>

And also there's something from 'way back that I seem to remember about thorium-coated cathodes. (The trouble with getting old is that you sometimes can't remember from whence you remembered something).

Seems that there's a buildup of oxide that occurs between the metal of the cathode and the thorium layer when the tube has been inactive for a long time. The oxide acted as an insulator reducing the emission considerably. As I remember, the "fix" was to run the heater at about 140 percent of rated voltage for a half-hour to bake the oxide (either back into the cathode or into the thorium, I can't remember which). I remember that I noticed a

considerable increase in conduction of tubes that have been lying around for a long time by using this technique. I guess it means that tubes work better if they are exercised regularly? :)

73,

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: MIKE SANDERS <ks0f@basic.net>
Subject: SB220 meters
Message-ID: <199602102305.RAA29185@basic.net>

Greetings,

It's heavy (sorta) and got Toobes but I am not sure if appropriate for BA so please email me direct with any replies. I'm trying to find the values (movements) of the two meters in the SB220 and also the single in the SB200. I have a broken pointer on the current meter and was wondering if the multi meter in the 200 or the 220 would be the same meter with differant circuit scales etc. I have one of each spare and would like to try to replace the broken pointer meter. Anybody know?? Thanks, Mike

73 de KS0F ks0f@basic.net

P.S. The 220 multimeter is used good and the 200 is NIB.

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: g.elliott1@genie.com
Subject: SX 28 Receiver
Message-ID: <199602100418.AA034655891@relay1.geis.com>

I just recently acquired a Halicrafters SX28 receiver. It appears to be complete and has cabinet but is missing all knobs. I tried contacting the "Halicrafters Man" who runs adds in QST and he said he did not have any. Are knobs hard to find or impossible to find for this radio. Anybody have a junker out there that would sell me the knobs ? I would think that there were plenty of these radios produced for the military and that there must be some junkers out there somewhere or do I have a real problem ahead of me trying to find knobs. I wouldn't want to go to the trouble of restoring this radio unless I could find some knobs. Comments appreciated. Thanks

Gary K70X

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: SX-101 Alignment
Message-ID: <UPMAIL03.199602102338250449@msn.com>

Hello folks, Ive got a question about aligning the the SX-101 IF's at 1650Kc. The manual says find the center of bandpass, put the response control at lower sideband and peak the 1650KC IF's top and bottom. I can handle that, then it says I should adjust the 1600 kc 2nd convertor oscillator to coincide with the half output on the gentle slope side of maximum response. Same for putting the response knob to uppersideband and doing same for 1700KC. For starters what the heck is the gentle slope side. I decided to balance at 22 volts at the detector cathode alignment point using a 10 megohm dc volt meter. (both sides) To be honest I think I screwed up as upper and lower side band now sound tinny no matter what. Question, should this be done with a sweep generator with center and side markers or am I making a big deal about nothing.
Hank, I know your the alignment expert and I know you probably don't like the low freq Halli's, but I could use some help here.

Thanks In advance
Al fritsche
fritsche@msn.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996
From: Michael Crestohl <mc@shore.net>
Subject: Thanks for the Vibroplex parts, The Tron's in Town - your town!
Message-ID: <199602102125.QAA18551@northshore.shore.net>

Hello Bill:

Thank you for sending the Vibroplex parts. They will not go to waste!

I tried to send a message after I received them but it bounced back.

BTW, if you hear WA1HLR on a local repeater, don't think there's a lift on - he's in the Dominican Republic installing a transmitter. Don't know any more about it than that. I've been listening on 3885 for him but so far.....nada!

73,

Michael Crestohl, KH6KD/W1
mc@shore.net

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: DUBY TODD <dube2@mci.newscorp.com>
Subject: Thoriated Tungsten filaments
Message-ID: <199602100404.XAA29312@kafka.delphi.com>

>Also, a thoriated filament may be either
>temporarily or permantly damaged by a heavy overload which may
>strip the surface layer of thorium from the filament.

This is a real problem with capacitor-input filters. The heavy current draw (coincidentally occurring as the heater is coming up to normal operating temperature) seems to just suck the stuff right off the filament. I've seen many 5u4's, etc with flakes of stuff slopping around inside, which I take to be flakes of thorium from the filaments.

73,

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: Andy Wallace <wallace@mc.com>
Subject: TV-7 = Hickock [what]
Message-ID: <9602092316.AA10780@training6>

Quick question, what is the civvy equivalent of the
TV-2 and TV-7 tube testers, if any?

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: "E. E. Weal" <edweal@netcom.com>
Subject: Wanted:Heathkit manual HM-10-A
Message-ID: <Pine.3.89.9602091506.A2308-01000000@netcom3>

I have a Heathkit Tunnel Dipper model HA-10-A and would like to
obtain a manual for it.
Thanks for any help.

edweal@netcom.com

From boatanchors@theporch.com Sat Feb 10 21:27:56 1996

From: Mikhael Brown <mikhael@hpcmmp13.sj.hp.com>
Subject: WTB FT-171 Xtals
Message-ID: <199602102346.AA036975972@hpcmmp13.sj.hp.com>

Looking for for 80 and 40 meter crystals in FT-171 holders. These have an approximate 3/4 inch pin spacing and are larger than the FT-243 holders. If you have any you like to part with let me know.

73

Mike, N6WIG

--
mikhael@hpcmmp13.sj.hp.com

From boatanchors@theporch.com Sat Feb 10 11:34:14 1996
From: Joe Roberts <72411.533@compuserve.com>
Subject: WTD: Nems Clarke Mans
Message-ID: <960210010908_72411.533_HHB81-1@CompuServe.COM>

WANTED: Manuals for Nems Clarke VHF receivers. Also looking for Nems-Clarke radios and accessories.

Joe N4WQC
Austin TX
512-339-6229 voice/fax
sp@tpoint.com